

L6 ANSWER 60 OF 93 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1985:187466 CAPLUS
DN 102:187466
OREF 102:29397a,29400a
TI Dissolution of tellurium powder in aqueous hydrogen
peroxide
PA Nitto Chemical Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 59227703	A	19841221	JP 1983-100252	19830607
PRAI	JP 1983-100252		19830607		

AB Powdered Te is dissolved in HCl or HNO₃ and reduced with SO₂, or distilled or electrolyzed to contain Ag and Cu ≤0.02% each, powdered to average <300 μ, and dissolved in aqueous H₂O₂ 3-10 mols/g atom Te in the presence of ≥1 of NH₄⁺, alkali metal ions, oxides, oxy acids, their salts, heteropoly acids, and their salts of V, Mo, and W, and HNO₃. The solution is especially suitable for preparation of a heteropoly acid catalyst for the oxidation of hydrocarbons. Thus, 6.4 g Te <300 μ containing Cu 0.001 and Ag 0.0005% was stirred in 60 mL H₂O containing 1.8 g NH₄ paramolybdate at 90° and mixed dropwise with 14.2 mL 35% H₂O₂ to obtain a clear solution in 4 min.